import re

from collections import Counter

def count\_unique\_words(file\_path):

# Read the text from the file

with open(file\_path, 'r') as file:

text = file.read()

# Tokenize the text into words (split by spaces and remove punctuation)

words = re.findall(r'\w+', text.lower()) # Convert to lowercase for case-insensitivity

# Count the occurrences of each word

word\_count = Counter(words)

# Print unique words and their counts

for word, count in word\_count.items():

print(f'{word}: {count}')

if \_\_name\_\_ == "\_\_main\_\_":

file\_path = "C:\\Users\\karth\\OneDrive\\Desktop\\karthik.txt" #assign the file path

count\_unique\_words(file\_path)

**output:**

i: 1

am: 1

karthikeya: 1

vaddepally: 1